In Car Video

IVMR-7002

7 607 004 511

Operating and installation instructions

http://www.blaupunkt.com

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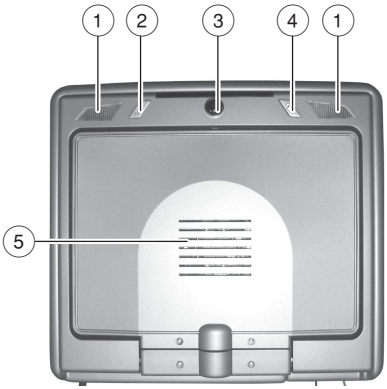
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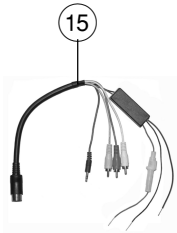
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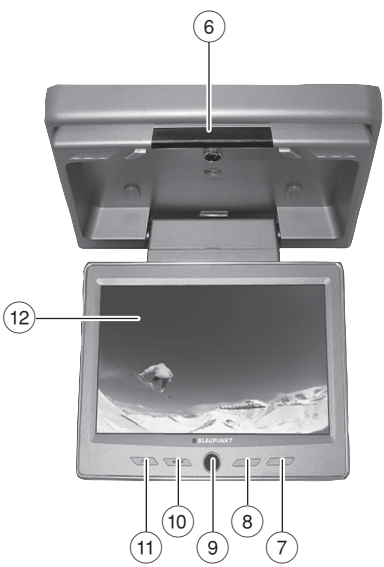
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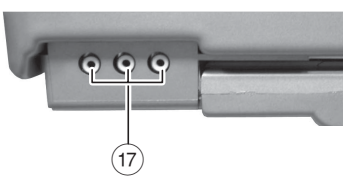
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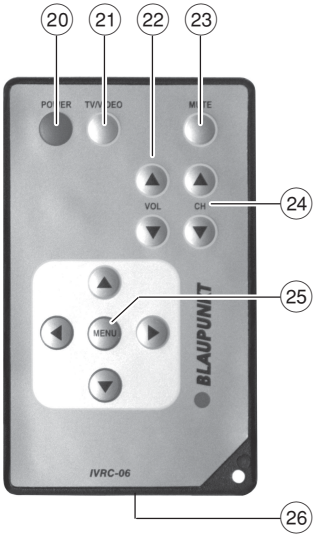
Ceiling-mounted monitor

(1) Lights on the main unit
(2) Light switch ON
(3) Monitor latch
(4) Vehicle interior lighting switch
(5) Loudspeaker
(6) Infrared receiver for IR remote control IVRC-06
Infrared transmitter for IR headphones IVHS-01 (accessory)
(7) Control button ▲
Increase the monitor volume / navigate in the OSD menu
(8) Control button ▼
Decrease the monitor volume / navigate in the OSD menu
(9) On/off button for the monitor
(10) Control button **MENU**
See **Instructions / OSD menu**.
(11) Control button **CH**
Channel selection if the monitor is connected to a signal controller IVSC-3302 or IVSC-5502.
(12) LCD screen
(13) Signal cable (13 pin)
(14) System cable (13 pin)
(15) Adapter cable RCA/jack (13 pin)
(16) Cable for the interior lighting (3 pin)
Red = Electrical power supply (+12V)
White = To the door switch (Door open = Earth)
Black = Earth
(17) **AUX** sockets
Red RCA = Audio IN (R)
White RCA = Audio IN (L)
Yellow RCA = Video IN



IR remote control

(20) **POWER**
On/off button for the monitor.

(21) **TV/VIDEO**
Input selector: switch between AV1 and AV2.

(22) **VOL** • arrow button ▲
Increase the volume for the selected monitor.

VOL • arrow button ▼
Decrease the volume for the selected monitor.

(23) **MUTE**
Mute the volume of the loudspeaker inside the monitor.

(24) **CH** • arrow button ▲/▼
Channel selection if the monitor is connected to a signal controller IVSC-3302 or IVSC-5502.

Caution:

The way the CH ▲/▼ buttons function depends on the monitor selection, which is made using the signal controller's remote control.

(25) **MENU**
See **Instructions / OSD menu**.

(26) **Battery compartment**

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Thank you for choosing a Blaupunkt product. We hope you enjoy using this new piece of equipment.

Please read these operating instructions before using the equipment for the first time.

The Blaupunkt editors are constantly working on making the operating instructions clearer and easier to understand. However, if you still have any questions on how to operate the device, please contact your dealer or the telephone hotline for your country. You will find the telephone number printed at the back of this booklet.

We provide a manufacturer guarantee for our products bought within the European Union. You can view the guarantee conditions at www.blaupunkt.de or ask for them directly at:

Blaupunkt GmbH
Hotline
Robert-Bosch-Str. 200
31139 Hildesheim
Germany

We should like to point out that the right to make a claim under the guarantee could be forfeited if the device is changed or modified in any way without the express authorization of the manufacturer.

Long-term operation or storage outside the specific temperature range can lead to a shortening of the useful life of the LC display.

Precautionary measures

Please observe all the warning notices, precautionary measures and maintenance tips contained in these operating instructions so as to extend the life of your monitor.

- If you are the driver you must never use the monitor during the journey in order to avoid causing a road accident.
- Do not place the monitor in the following positions:
  1. Positions in which it could restrict the driver's view.
  2. Positions in which it could become a danger to safety (e.g. handbrake, steering wheel, gearshift lever and airbag).
- Only operate the device with the recommended voltage supply of 12 V direct current.
- Do not attempt to open or dismantle the monitor, since you could suffer an electric shock as a result.
- If the monitor's housing is damaged or broken, take it to your local specialist dealer or send it in to our customer service centre.
- Avoid using the monitor in environments where it is subjected to dust, dirt or moisture.
- Do not install the monitor in places where it is subjected to direct sunlight or extreme temperatures.

Note
We recommend that you allow a specialist workshop to carry out the installation.

⚠ Safety notices

Please observe the following safety notices during installation and whilst making the connections.

- Disconnect the negative and positive terminals of the battery.
- When doing so, please observe the safety notices provided by the vehicle manufacturer.
- Before drilling the holes necessary for mounting the equipment and for laying cables, please make sure that concealed cables, the fuel tank and fuel lines cannot be damaged in the process!

Supplied parts

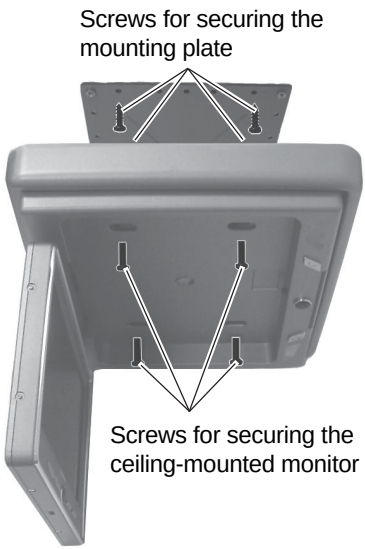
The monitor is supplied with all the parts listed below. Please check that the range of parts supplied with your device is complete. If one of the listed parts is missing, please contact your dealer immediately.

- Monitor (including mounting fixture and screws)
- Remote control IVRC-06 with battery
- 5 m long 13-pin system cable (for signal controller IVSC-3302 or IVSC-5502)
- Connection adapter (13-pin RCA/ jack)
- Operating instructions

Installing the monitor (mechanical)

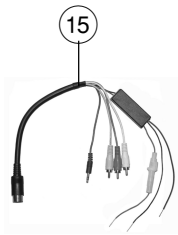
Select a suitable position for secure installation of the monitor:

- The device must not distract the driver or restrict the driver's view.
- The ability to enter and get out of the vehicle must not be impeded.
- The device must not be installed in such a way that could prevent the other vehicle components from functioning properly (e.g. sliding sunroof).
- Make sure that the device is installed in a safe and secure position and that it cannot become detached in the event of an emergency stop.
- Do not attach the device merely to the roof liner.
- If you need to drill additional holes, make sure you do not drill through the sheet metal of the vehicle's roof.
- Avoid using the monitor over a longer period of time whilst the engine is off in order to prevent the battery from becoming discharged.



Cables

System cable (13 pin)



Adapter cable

Signal cable (monitor housing) (13 pin)

Cable for the interior lighting (3 pin)

Interior lighting connection (3 pin)

Red = Operating voltage (+12 V)
White = To the door switch (Door open = Earth)
Black = Earth

To avoid discharging the battery, we recommend you use a switched operating voltage (ignition).

Warning notice: The operating voltage cable must be protected with at least a 1.5 A fuse.

Monitor connection (13 pin)

Connect the system cable (13 pin) (14) to a signal controller (IVSC-3302 or IVSC-5502). (The voltage supply is provided by these devices. Operating instructions are supplied with the devices).

Or

Use the plug-in adapter cable (15) to connect to the 12 V supply voltage and an external video/DVD device:

Red	= ACC+12V
Yellow	= +12 V direct current
Black	= Earth
Red RCA	= Audio IN (R)
White RCA	= Audio IN (L)
Yellow RCA	= Video IN
Jack (blue)	= Infrared loop-through for connection to the IR-sensor input of DVD-ME2 / DVD-ME3.

Attention: To be used only in conjunction with DVD-MEx series products!

Controlling the interior lighting (monitor)

There are two switches for the lights: ON ⟨2⟩ and interior lighting ⟨4⟩.

ON :

This button is used to switch the lights on/off.

Interior lighting :

If activated, the lights only come on when the vehicle's doors are opened.

Opening the monitor

- Pull back the monitor release latch ⟨3⟩ to flip down the LCD display.
- To watch television, lower the monitor until it is at an angle of approx. 90° to the monitor's base unit.

Adjusting the position of the monitor

The monitor can be rotated by up to approx. 30° to the right and left from its central viewing position.

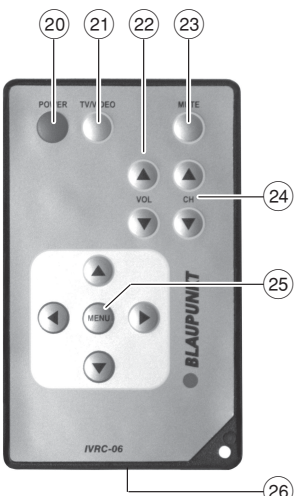
Closing the monitor

➪ Turn the monitor back to its central viewing position and push it into its base unit so that it clips back into the releasing/locking mechanism.

Switching on the monitor

Press the power-on button (9) on the main unit or the button (20) on the remote control to switch the monitor on/off.

Note:
The button (9) lights up blue before the monitor is switched on. This means that the monitor is connected to the 12 V voltage supply.



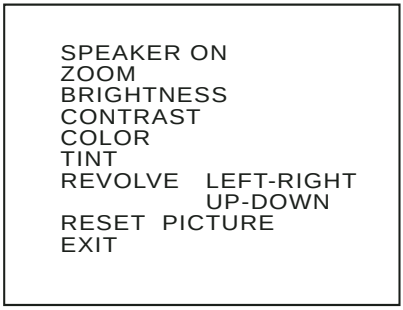
OSD menu

Operation

➪ Press the MENU button (10) on the display or the MENU button (25) on the remote control to open the OSD menu.

- Use the arrow buttons (7) / (8) or (25) ▲/▼ to select the options. After you press the MENU button (10) or (25) you can use the arrow buttons to change the settings.

➪ Select the “EXIT” option to close the OSD menu again.



- SPEAKER ON

  Switch the internal loudspeaker on/off (same function as the MUTE button (23) on the remote control).

  The sound then continues to be outputted over the IR headphones IVHS-01 (accessory).

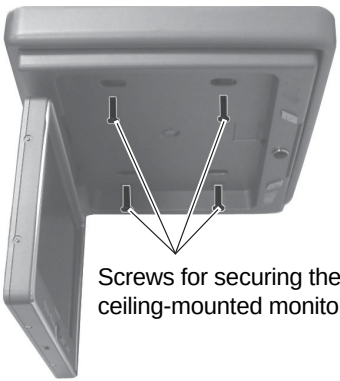
- ZOOM (picture size)
  Change the picture height/width
  - FULL
  - NORMAL
  - WIDE
- BRIGHTNESS:
  To adjust the brightness
- CONTRAST:
  To adjust the contrast
- COLOR:
  To adjust the colour
- TINT:
  To adjust the picture shade (only for NTSC)
- REVOLVE:
  To revolve the screen display
  - LEFT - RIGHT:
    Mirror horizontally
  - UP - DOWN:
    Mirror vertically
- RESET PICTURE:
  To reset the configured parameters to the factory default settings.
- EXIT:
  To close the OSD menu

IR headphones IVHS-01 (accessory)

The IR transmitter window (6) must not be covered up when using the IR headphones IVHS-01 (accessory).

Changing the light bulb

➪ Detach the monitor from the ceiling plate (4 screws).



Screws for securing the ceiling-mounted monitor

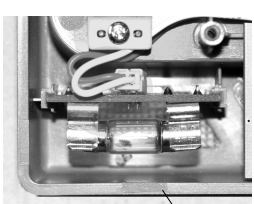
➪ Remove the 6 screws from the rear.

➪ Carefully lift off the rear wall.

➪ Take out the old bulb (see picture below).

➪ Fit a new bulb (12 V, 3 W).

➪ Refit the monitor.



Bulb

Light bulb specifications

Diameter: 8 mm

Length: 28 mm

Voltage: 12 V, 3 W

Changing the battery in the remote control

➪ Push the button on the battery compartment (26) to the right (see A below).

➪ Pull the battery compartment (26) out of the remote control (see B below).

➪ Change the 3 V battery (CR 2025).

IVMR-7002

Screen size:	7" Monitor
Screen resolution:	480 (H) x 3 (RGB) x 234 (V)
Active area:	154,08 (H) x 86,58 (V)
Signal system:	Dual system NTSC/PAL
Brightness:	320 cd/m^2
Contrast ratio:	400:1
Viewing angle:	Left/right: 60/60 degrees Up/down: 50/40 degrees
Video input level:	1.0 Vpp ± 10 %
Audio input level:	0.3 Vrms
Carrier frequency for IR sensor:	L-CH: 2.3 MHz R-CH: 2.8 MHz
Operating voltage (direct current):	10-16V
Current consumption: IVMR “On”	0,7 A (at +12V)
Current consumption: IVMR “Off”	90 mA (at +12V)
Quiescent current consumption:	
“Ignition off”	15 uA (at +12 V)
Operating temperature:	0 - 60 °C
Storage temperature:	- 30°C to +80°C
Dimensions:	233 x 219 x 54 mm
Weight:	≤ 1150 g

Subject to changes!

Service-Nummern / Service numbers / Numéros du service après-vente / Numeri del servizio di assistenza / Servicenummers / Telefonnummer för service / Números de servicio / Números de serviço / Servicenumre

Country:		Phone:	Fax:
Germany	(D)	0180-5000225	05121-49 4002
Austria	(A)	01-610 39 0	01-610 393 91
Belgium	(B)	02-525 5444	02-525 5263
Denmark	(DK)	44 898 360	44-898 644
Finland	(FIN)	09-435 991	09-435 99236
France	(F)	01-4010 7007	01-4010 7320
Great Britain	(GB)	01-89583 8880	01-89583 8394
Greece	(GR)	210 94 27 337	210 94 12 711
Ireland	(IRL)	01-46 66 700	01-46 66 706
Italy	(I)	02-369 6331	02-369 62464
Luxembourg	(L)	40 4078	40 2085
Netherlands	(NL)	0800 400 1010	0800 400 1040
Norway	(N)	66-817 000	66-817 157
Portugal	(P)	2185 00144	2185 00165
Spain	(E)	902 52 77 70	91 410 4078
Sweden	(S)	08-7501850	08-7501810
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Czech. Rep.	(CZ)	02-6130 0446	02-6130 0514
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